

Functions used in SNBs and firing rule

Introduction

Now you know:

- the basic underlying features of SNBs
- that SNBs capture bags of values

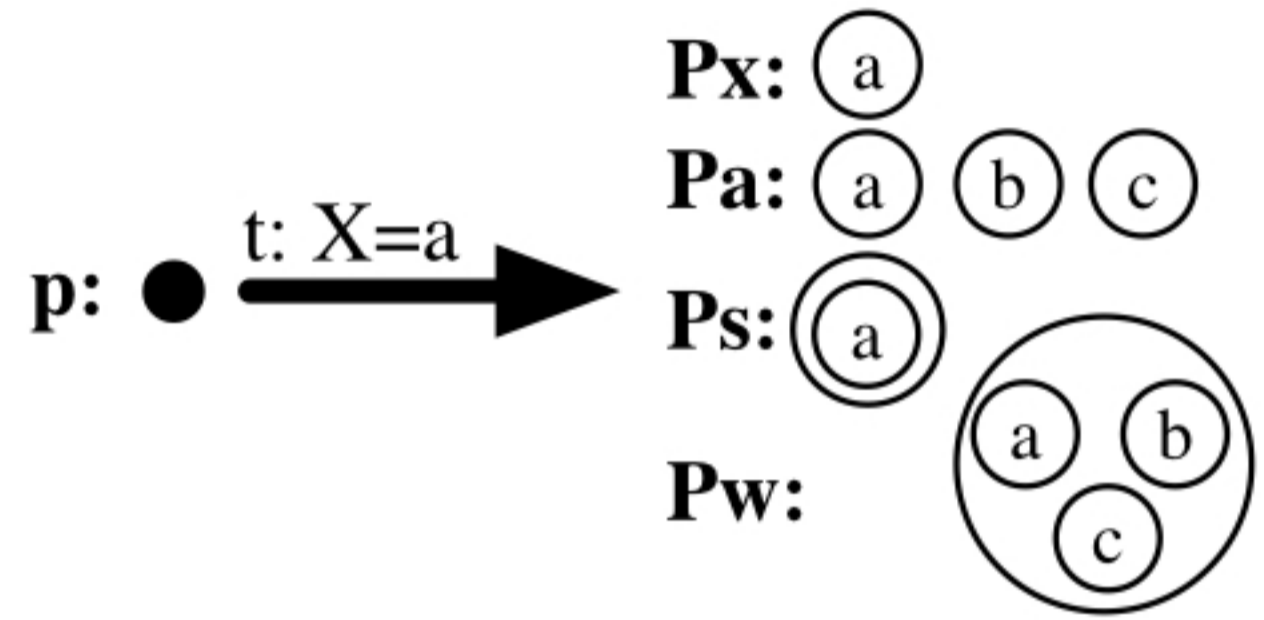
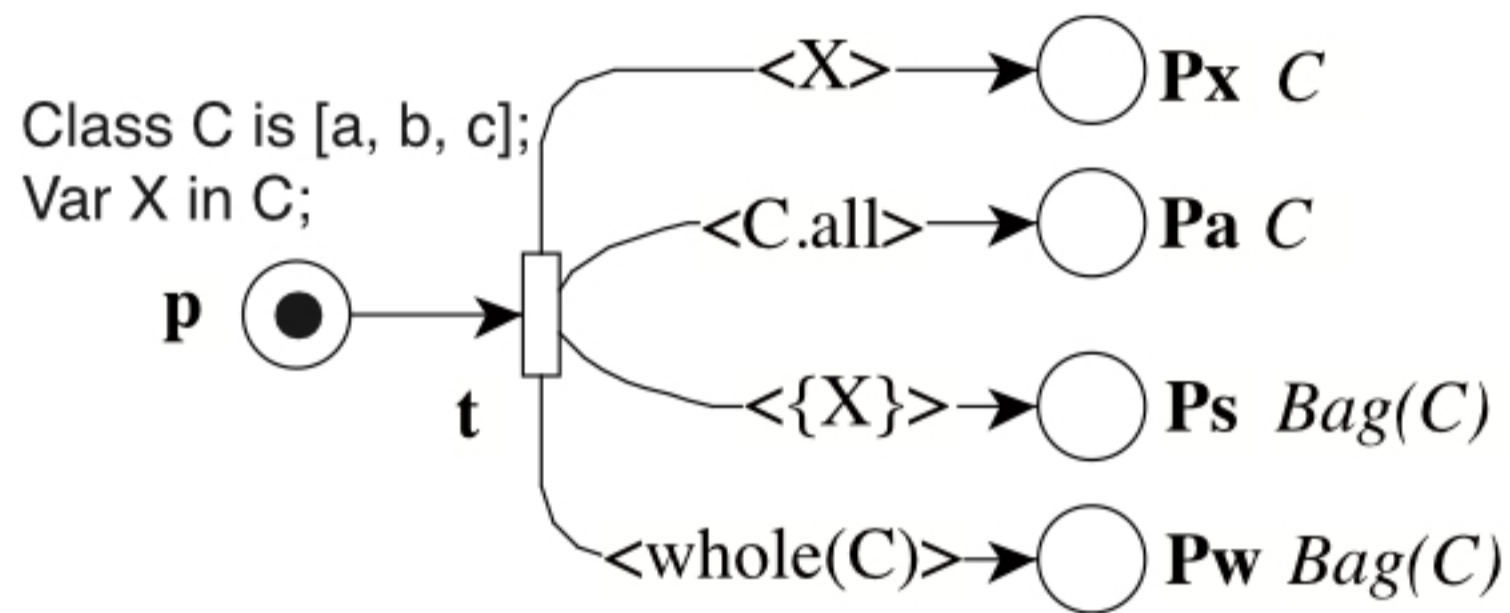
Now you know:

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Let's present the functions manipulated in SNBs and the firing rule

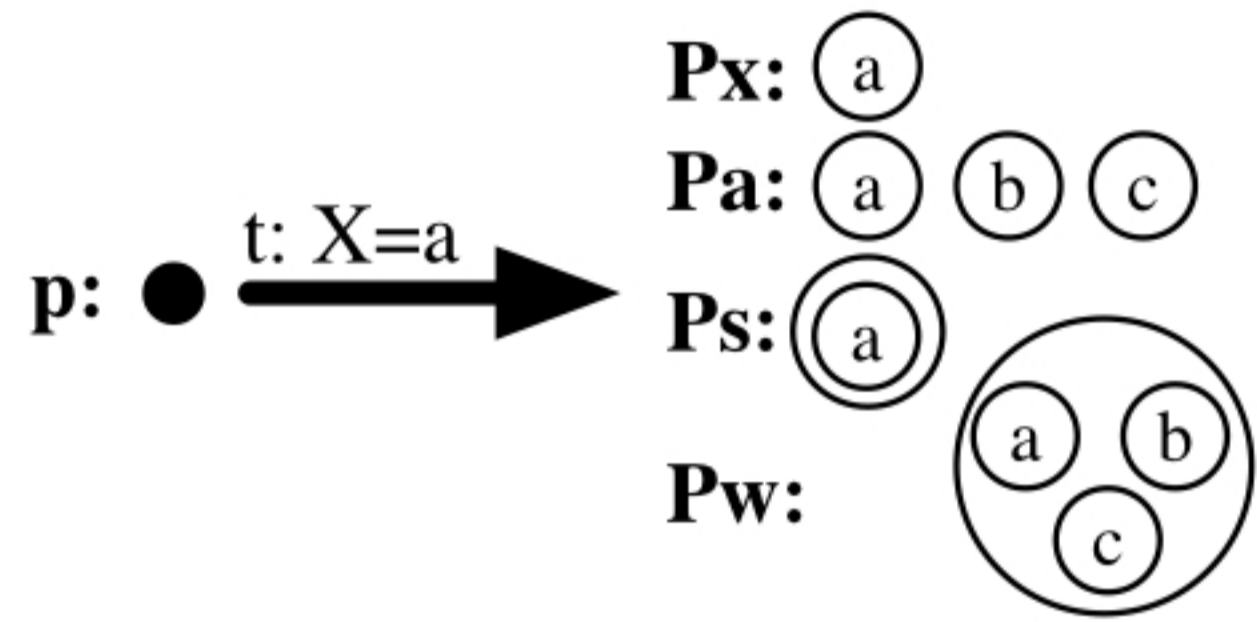
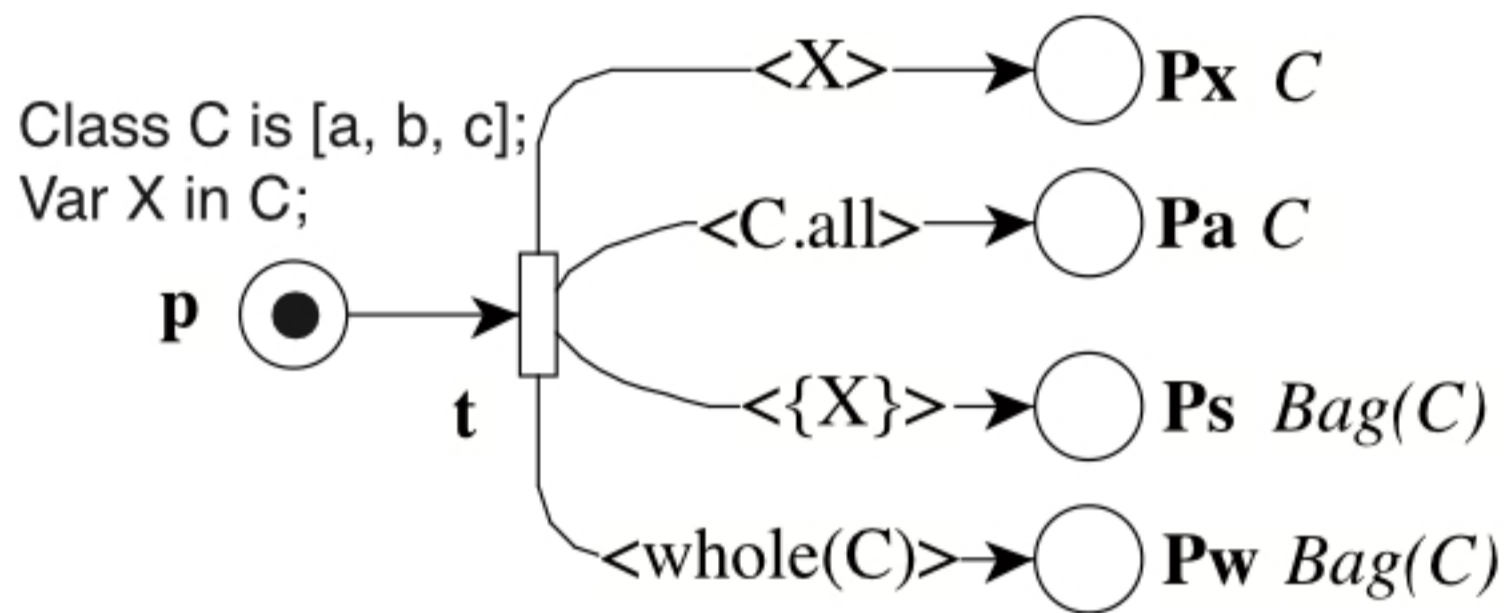
Functions and their use in firings

Basic functions (colors and Bags)

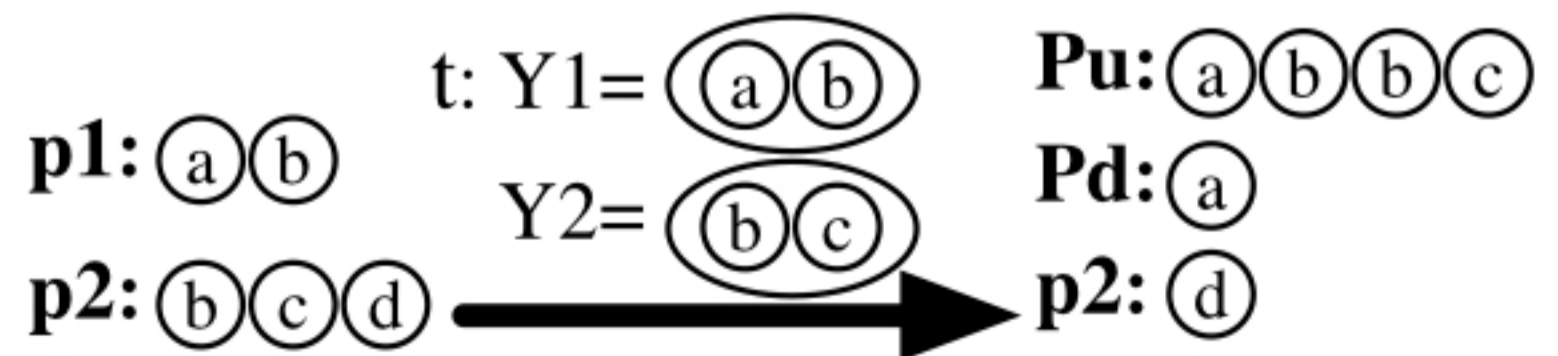
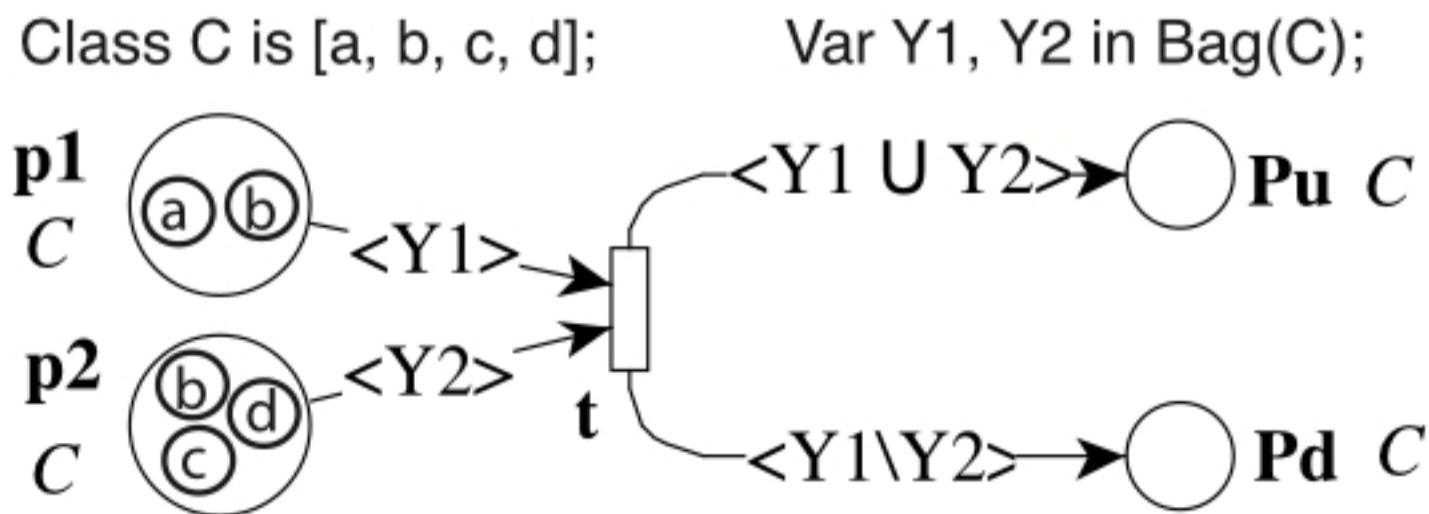


Functions and their use in firings

Basic functions (colors and Bags)



Bag manipulations



Bags functions used in guards

Unique Y : true iff elements appear at most once in Y

card(Y) : the cardinality of bag Y

ord(x) : the rank of element x in an ordered set

Conclusion

At this stage:

- you know the functions that operate on bags
- you know the additional functions used in guards

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Let's present a more complete example (next sequence)